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				Application Number	10/036,566	
	EMENTAL INFORMAT	ION		Filing Date	December 21, 2001	
	SURE STATEMENT		•	First Named Inventor	Eric J. Horvitz, et al.	
BY APP	PLICANT			Art Unit	2143	
	(Use as many sheets as nec	essary	,	Examiner Name	Alina A. Boutah	
Sheet	1	of.	6	Attorney Docket Number	MS177851.01/MSFTP954US	

		<u></u>	U.S. PATENT			
Examiner Cite Initials* No.*	Cite	Document Number	Publication Date MM-DD-YYYY	Name of Patenties or	Pages, Columns, Lines, Where	
Inidate No.		Number-Kind Code ^{2 (7 kmm)}	MNFUD-TTTT	Applicant of Cited Document	Refevant Passages or Relevant Figures Appear	
ANB		^{U8-} 6,513,046	01-28-2003	Abbou, III et al.		
ANB		US- 6,747,675	06-08-2004	Abbott et al.		
ANG		US- 6,801,223	10-05-2004	Abbott et al.		
BNJ		^{US-} 6,842, 8 77	01-11-2005	Robarts et al.		
MIS		^{US-} 6,466,232	10-15-2002	Newell et al.		
8N.5		^{US-} 6,549,915	04-15-2003	Abbott, III et al.		
ANS		US- 6,791,580	09-14-2004	Abboπ et al.		
Bris		^{US-} 6,812,937	11-02-2004	Abbon et al.		
ANB		^{US-} 2001/0040591	11-15-2001	Abbott et al.		
ANB		^{US-} 2001/0043232	11-22-2001	Abbott et al.		
ANB		US- 2002/0044152	04-18-2002	Abbott III et al.		
an B		US- 2002/0052963	05-02-2002	Abbott ct al.		
ANB		US- 2002/0054174	05-09-2002	Abbott ct al.		
Ans		^{US-} 2002/0080155	06-27-2002	Abbott et al.		
8nn3		^{US-} 2002/0083025	06-27-2002	Robarts et al.		
ANO		U\$- 2002/0087525	07-04-2002	Abbou et al.		
ANB		^{US-} 2003/0046401	03-06-2003	Abbott et al.		
ANG		^{US-} 2005/0034078	02-10-2005	Abbott et al.		

	FOREIGN PATENT DOCUMENTS												
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Under the Papennork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/PTO Application Number 10/036,566 SUPPLEMENTAL INFORMATION Fing Dale December 21, 2001 DISCLOSURE STATEMENT First Named Inventor Eric J. Horvitz, et al. BY APPLICANT Art Unit 2143 Examiner Name Alina A. Boutah (Use as many sheets as necessary) Attorney Docket Number MS177851.01/MSFTP954US 6 2 Sheet

Examiner Initials"	Cits No.'	Document Number Number-Kind Code ^{2 (Kinner)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columna, Lines, Where Relevant Passages or Relevant Figures Appear
ANB		US- 2001/0040590	11-15-2001	Abbott et al.	
Arres		US- 2001/0043231	11-22-2001	Abbott et al.	
ANG		US- 2002/0032689	03-14-2002	Abbott, III et al.	
ANS.		US- 2002/0052930	05-02-2002	Abbou et al.	
ANS	l "	US- 2002/0054130	05-09-2002	Abbott, III et al.	
MNB		US- 2002/0078204	06-20-2002	Newell et al.	
ANB		US- 2002/0080156	06-27-2002	Abbort et al.	
BUB		US- 2002/0083158	06-27-2002	Abbott ct al.	
AMB		US- 2002/0099817	07-25-2002	Abbou et al.	
AMB		US- 2003/0154476	08-14-2003	Abbott, III et al.	*****
Buls		US- 5,603,054	02-11-1997	Theimer et al.	
BUR		US- 5,555,376	09-10-1996	Theimer et al.	
BNB		^{US-} 5,611,050	03-11-1997	Theimer et al.	
BNB		^{US-} 5,544,321	08-06-1996	Theimer et al.	
ANB		US- 5,493,692	02-20-1996	Theimer et al.	•
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	FOREIGN PATENT DOCUMENTS												
Examiner Initials*	Cita No.1	Foreign Patent Document Country Code ³ Number ⁴ 'Kind Code ⁵ (<i>il known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines. Where Relevant Passages or Relevant Figures Appear	۳							
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			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Che No.1	Number-Kind Code ^{2 process}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Linus, Where Relevant Passages or Relevant Figures Appear
BNP		US- 5,859,979	01-12-1999	Tung, et al.	
ANEZ		US- 5,963.910	10-05-1999	Ulwick	
ANB		US- 6,032.189	02-29-2000	Jizenji, et al.	
ANG		US- 6,044,486	03-28-2000	Underseih	
BroB		US- 6,181,684	01-30-2001	Turcotte, et al.	
ANB		US- 6,212,550	04-03-2001	Segur	
BMB		US- 6,493,685	12-10-2002	Ensel, cr al.	
ANS		US- 4.672.632	06-09-1987	Andersen	
ANIS		US- 5,790,801	OB-04-1998	Funato	
ANIS		US- 5,960,423	09-28-1999	Chardhur, et al.	
ANIS		us- 6,654,734	11-25-2003	Mani, et al.	
. ANB		US- 6,738,931	05-18-2004	Osborn, et al.	
BINB		U\$- 2002/0118772 AT	08-29-2002	Lin	
ANB		US- 2002/0161862	10-31-2002	Horvitz.	
ANB		US- 2002/0174199	11-21-2002	Horvitz	
- BWZ		us-2003/0004679***	01-02-2003	Tryon, et al.	
ANR		US- 2003/0097485	05-22-2003	Horvitz, et al.	
AIVB		US- 2004/0143636	07-22-2004	Horvitz, ez al.	

	FOREIGN PATENT DOCUMENTS												
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Substitute	for form 1449/PTQ	1			Complete if Known	
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INFO	RMATIO	N DIS	CLOSURE	Filing Date	December 21, 2001	
STAT	TEMENT	BY A	PPLICANT	First Named Inventor	Eric J. Horvitz, et al.	
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Sheet	4 .	of	6	Attorney Docket Number	MS177851.01/MSFTP954US	

			NON PATENT LITERATURE DOCUMENTS	
	Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(e), volume-issue number(s), publisher, city and/or country where published.	T ²
			ANDY HARTSR, et al., A Distributed Location System for the Active Office, IEEE Network, 1994, pp. 62-70.	
			GUANLING CHEN, et al., A Survey of Context-Aware Mobile Computing Research, Dartmouth Computer Science Technical Report, 2000, 16 pages.	
<u>—</u>			WILLIAM NOAH SCHILT, A System Architecture for Context-Aware Mobile Computing, Gelumbia University, 1995, 153 pages.	
			MIKE SPREITZER, et al., Providing Location Information in a Ubiquitous Computing Environment, SIGOPS '93, 1993, pp.270-283.	
~			MARVIN THEIMER, et al., Operating System Issues for PDAs, In Fourth Workshop on Workstation Operating Systems, 1993, 7 pages.	
,			ROY WANT, Active Bedges and Personal Interactive Computing Objects, IEEE Transactions on Consumer Electronics, 1992, 11 pages, Vol. 38 - No. 1.	
			BILL N. SCHILIT, et al., The ParcTab Mobile Computing System, IEEE WWOS-IV, 1993, 4 pages.	
			BILL SCHILIT, et al., Context-Aware Computing Applications, In Proceedings of the Workshop on Mobile Computing Systems and Applications, December 1994, pp. 85-90.	
			BILL N. SCHILIT, et al., Customizing Mobile Applications, Precedings USENIX Symposium on Mobile and Location Independent Computing, August 1993, 9 pages.	
			MIKE SPREITZER, et al., Architectural Considerations for Scalable, Secure, Mobile Computing with Location Information, In The 14th International Conference on Distributed Computing Systems, June 1994, pages 29-38.	

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				Examiner Name	Alina A. Boutah		
Sheet	5	af	6	Attorney Docket Number	MS177851.01/MSFTP954US		

		NON PATENT LITERATURE DOCUMENTS	,
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	. L ₅
		MIKE SPREITZER et al., Sealable, Secure, Mobile Computing with Location Information, Communications of the ACM, July 1993, 1 page, Vol. 36 - No. 7.	
		ROY WANT, et al., The Active Badge Location System, ACM Transactions on Information Systems, January 1992, pp. 91-102, Vol. 10 - No. 1.	
		MARK WEISER, Some Computer Science Issues in Ubiquitous Computing, Communications of the ACM, July 1993, pp. 75-84, Vol. 36 - No. 7.	
		M. BILLINGHURST, et al., An Evaluation of Wearable Information Spaces, Proceedings of the Virtual Reality Annual International Symposium, 1998, 8 pages.	
		BRADLEY J. RHODES, Remembrance Agent: A continuously running automated information retrieval system, The Proceedings of The First International Conference on The Practical Application Of Intelligent Agents and Multi Agent Technology, 1996, pp. 487-495.	
		ERIC HORVITZ, at al., In Pursuit of Effective Handsfree Decision Support: Coupling Bayesian Inference, Speech Understanding, and User Models, 1995, 8 pages.	
		BRADLEY J. RHODES. The Wesrable Remembrance Agent: A System for Augmented Theory, The Proceedings of The First International Symposium on Wearable Computers, October 1997, pp. 123-128.	
ANB		ERIC HORVITZ, et al., Attention-Sensitive Alerting in Computing Systems, Microsoft Research, August 1999.	1
•		BILL N. SCHILIT, et al., Disseminations Active Map Information to Mobile Hosts, IEEE Network, 1994, pages 22-32, Vol. 8 - No. 5.	
		MARK BILLINGHURST, et al., Wearable Devices: Naw Ways to Manage Information, IEEE Computer Society, January 1999, pp. 57-64.	

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Sheet	6	of	6	Attorney Docket Number	MS177851.01/MSFTP954US	

Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	Γ
initials*	No.1	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	L
		THAD EUGENE STARNER, Wearable Computing and Contextual Awareness, Massachusetts Instituta of Technology, June 1999, 248 pages.	
		BRADLEY J. RHODES, The Wearable Remembrance Agent A System for Augmented Memory, Personal Technologies Journal Special Issue on Wearable Computing, 1997, 12 pages.	
		Workshop on Wearable Computing Systems, August 19-21, 1996.	
	-	MARK BILLINGHURST, Research Directions in Wearable Computing, University of Washington, May, 1998, 48 pages.	
		Mark Weiser, The Computer for the 21st Century, Scientific American, September 1991, pp. 94- 104, Vol. 265 - No. 3.	
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